# Dariusz Kaminski

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Experienced software professional, delivering high quality operational software systems and processes effectively and efficiently. Data-driven and goal-oriented, building quality products and processes. I strive in a collaborative culture, with the focus on teamwork, people and their career development.

## EXPERIENCE

### StarStock/Grail, Edinburgh, Scotland — *Software Development Specialist*

2021 - PRESENT

Working in a remote development team as a software development specialist and a line manager. I balance the needs and expectations of both the business and our development team, which helps us work well together and learn from each other. I strive to help people to feel motivated, productive and happy with opportunities to learn something new every day. All this is done in a diverse environment, allowing everyone to express themselves freely, collaborate, deliver and learn to the best of their abilities and needs.

**Responsibilities:**

- technical - software design and implementation, data modelling, automated testing, live systems diagnostics and monitoring, blockchain, crypto wallet security
- people management - line management, mentoring and coaching, recruitment, career development
- product and process improvement - research and development, code reviews, data analytics, automation, documenting and sharing knowledge and experience, risk analysis and management

### IHS Markit, Aberdeen, Scotland — *Principal Software Engineer / Associate Director*

2017 - 2021

Technical lead and manager of a team responsible for product development and delivery of web-based data analytics systems in the oil and gas domain. I do this together with my team of software professionals, and we specialise in cloud-based data analytics systems that are used by our clients for data prediction and information visualisation.

I am effective in working with remote teams spread across various time

## Technologies and tools

Python, Django, Docker, PostgreSQL, GraphQL, Redis, Heroku, GitHub, blockchain, Sentry, dbt, ETL/ELT, React, TypeScript.

AWS, Python, .NET, REST API design and development, TIBCO Spotfire, Azure DevOps, SumoLogic, data storage technologies (relational and non-relational), R.

zones, and as a technical expert, I make sure that our innovative solutions are adequate and satisfy business objectives and the quality goals of our stakeholders.

As a people's manager, I strive to empower my team to improve and develop new skills to help them succeed, stay motivated and deliver results.

**Responsibilities:**

- managing and leading a product development and support team
- optimising product development and delivery
- delivering cloud-based projects on time with high quality and reliability
- working, collaborating and influencing various teams: technical, stakeholders and product management to ensure that our products are developed and delivered as planned
- risk  identification and management that might impede our goals
- managing product life-cycle and releases
- ensuring adoption of agile development
- designing and implementing of new features that meet both functional and non-functional requirements
- guiding and coaching software developers and quality assurance engineers in design, implementation, testing and delivery
- developing, motivating and coaching the team of experts at various stages of their professional careers
- growing the team by recruiting and retaining professionals
- creating and nurturing a friendly environment for my colleagues, where everyone feels valued and collaborates productively

## IHS Markit, Aberdeen, Scotland — Senior Software Engineer / Scrum Master

2013 - 2017

Worked and contributed to a GIS online system for detailed valuation analysis and reporting of global upstream oil and gas assets.

.NET, C#, ASP .NET MVC, Angular, JavaScript, T-SQL, Visual Studio, ReSharper.

- Proposed improvements to software product design and architecture, which had a positive impact on quality attributes: testability, understandability and modifiability.
- Proposed codebase and software architecture improvements.
- Introduced unit/integration tests into the system, and championed developer testing to improve the quality.
- Suggested the use of refactoring tools, which were adopted by our teams.
- Supported less experienced team members and assisted other developers in their day-to-day tasks.
- Contributed to establishing a friendly environment for a distributed team.
- Improved  test coverage of our product.
- Significantly contributed as scrum master and developer on the project integration.

- Monitored progress and protected developers' time to deliver results and quality work within agreed timeframes.
- Advised and helped other team members (developers, QA testers, team leads, architects and product owners), consistently looking for ways to refresh and improve processes and ensure everyone is engaged and working effectively.
- Initiated, planned and scheduled Domain-Driven Design training sessions for the development team.
- I supported my colleagues and remained a positive and steadying influence in the face of project changes and uncertainty..

### Marine Scotland, Aberdeen, Scotland — *Analyst / Developer*

2008 - 2013

Designed, implemented and maintained various brand-new and legacy systems (web and desktop) to support the work of the marine scientists.

.NET, C#, ASP .NET MVC, T-SQL, AOP, Visual Studio, ReSharper, Delphi.

**Responsibilities:**

- design/coding/testing/documentation of complex/mission critical multi-user, multi-database web and desktop application systems.
- eliciting requirements, analysing and designing new required software systems for internal customers (scientific and legislative).
- proposing and executing the investigative work to determine requirements and specify appropriate business processes, through improvements in information systems, data management, best practices and integration efforts.
- advising on the available standards, methods, tools and techniques relevant to software development within the organisation.
- advising on the scope and options for operational improvements of legacy systems and contributing to modernisation efforts.
- balancing creativity and innovation in applying solutions for the benefit of the stakeholders.

### IBS B.V., Niewegein, The Netherlands — *Software Engineer*

2000 - 2006

Worked and contributed to all stages of the software lifecycle development (based on Java technology/frameworks) of multi-user software solutions, where the work involved close cooperation between international teams distributed across multiple countries.

Java, J2EE, RUP, UML, DB2, ORM, Eclipse, JUnit, IBM SanFrancisco framework, ERP.

**Responsibilities:**

- eliciting requirements from internal stakeholders/domain experts, analysis, design, implementation and developer testing of the completed modules in the financial domain (payment run, chase letters and debt collection runs, credit management, fixed

assets management, general ledger).
- participated in and led code and design reviews. Prepared test plans with guidelines for developers (mainly unit and functional tests).
- contributed to redesign and establishing of the improved software architecture for company's integrated applications and frameworks (object-relational mapping tools, UI framework, business logic analysis, design and implementation with Java Enterprise design patterns).
- responsible for designing and setting up continuous integration environments for nightly software systems builds.

## IBS AB, Stockholm, Sweden — Junior *Software Engineer*

August 1999 - December 1999

Responsible for graphical user interface development (based on Java technology/frameworks) and integration with the server-side component-based software systems.

## IBS Polska, Wrocław, Poland — Trainee

1998 - 1999

Full-time training in the area of Enterprise Resource Planning (ERP) and supply chain management systems development for IBM iSeries.

### EDUCATION

## Technical University of Opole, Poland — *M.Sc. (Computer Engineering)*

2003 - 2005

"Designing, Implementing and Operating Secure Internet Applications in Object-Oriented Environments"

## Technical University of Opole, Poland — *B.Sc. / P.Eng. (Information Systems)*

1995 - 1998

"Data Security and Confidentiality in Information Systems"

## PROJECTS

### Open University, Milton Keynes, UK, external researcher *(Computing)*

2006-2015

Research area: "Process Risk Visualisation in Problem Oriented Engineering" – modelling business processes, workflows, model checking, process simulation, process mining, problem solving, concurrent systems, stochastic process modelling.

## SKILLS / EXPERIENCE

### Core professional skills

Software engineering, software architecture, software development process, requirements engineering, data analytics, relational database design and modelling, software automation, model-driven software development, code generation, domain-driven design, software testing.

### Current technical interests

Requirements engineering, data analytics, data mining, process mining, machine learning,  information visualisation, problem solving, concurrent systems modelling, systems science, domain-specific languages, complexity science, software evolution, knowledge engineering and management, text analytics, model checking, process optimisation.

## RELEVANT TECHNOLOGIES / TOOLS / METHODS

- Databases: Microsoft SQL Server, Postgresql, Snowflake, MySQL, DB2, Oracle, NoSQL
- Development Platforms: AWS, Heroku,  Azure Microsoft, Microsoft .NET
- Programming languages: C#, Python, R, Java, Ruby, Object Pascal
- Web-based programming: REST API, Django, Flask, ASP.NET MVC, Angular, React.
- Development methods: Scrum, Agile, RUP, Extreme Programming, RAD
- Analysis and Design: Object-Oriented, UML, Design Patterns
- IDE: Visual Studio, JetBrains IDE suite, e.g., PyCharm.